

Automatic Vending Machine Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
333311, Automatic vending machine manufacturing	2002.. 103	108	8 361	301 931	5 287	11 185	134 165	723 676	875 922	1 598 304	71 442
	2001.. N	N	8 122	266 016	5 765	10 920	129 306	594 664	666 631	1 292 965	79 350
	2000.. N	N	8 456	277 723	6 048	12 110	142 128	657 010	716 570	1 406 335	81 534
	1999.. N	N	9 477	261 928	6 880	13 416	151 473	725 056	698 097	1 443 084	95 665
	1998.. N	N	8 806	224 858	6 658	13 932	133 160	669 420	786 022	1 444 002	24 158
	1997.. 117	122	8 220	216 397	6 047	12 310	123 726	604 438	718 270	1 327 998	31 938

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
333311, Automatic vending machine manufacturing												
United States	1	108	43	8 361	301 931	5 287	11 185	134 165	723 676	875 922	1 598 304	71 442
Florida	5	8	3	203	8 502	106	178	2 795	26 527	19 020	43 585	781
Texas	—	8	3	641	16 482	404	839	6 836	25 410	22 621	47 227	570

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
333311, Automatic vending machine manufacturing	
Companies ¹	number.. 103
All establishments ²	number.. 108
Establishments with 1 to 19 employees	number.. 65
Establishments with 20 to 99 employees	number.. 25
Establishments with 100 employees or more	number.. 18
All employees ³	number.. 8 361
Total compensation	\$1,000.. 382 158
Annual payroll	\$1,000.. 301 931
Total fringe benefits	\$1,000.. 80 227
Production workers, average for year	number.. 5 287
Production workers on March 12	number.. 5 280
Production workers on May 12	number.. 5 388
Production workers on August 12	number.. 5 309
Production workers on November 12	number.. 5 162
Production worker hours	1,000.. 11 185
Production worker wages	\$1,000.. 134 165
Total cost of materials	\$1,000.. 875 922
Materials, parts, containers, packaging, etc., used	\$1,000.. 764 384
Resales	\$1,000.. 99 094
Purchased fuels	\$1,000.. 1 576
Purchased electricity	\$1,000.. 7 566
Contract work	\$1,000.. 3 302
Quantity of electricity purchased for heat and power	1,000 kWh.. 118 363
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 1 598 304
Primary products value of shipments	\$1,000.. 1 281 347
Secondary products value of shipments	\$1,000.. 102 249
Total miscellaneous receipts	\$1,000.. 214 708
Value of resales	\$1,000.. 151 328
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 1 300 006
Value of primary products shipments made in this industry	\$1,000.. 1 281 347
Value of primary products shipments made in other industries	\$1,000.. 18 659
Coverage ratio	percent.. 99
Value added	\$1,000.. 723 676
Total inventories, beginning of year	\$1,000.. 242 853
Finished goods inventories	\$1,000.. 76 921
Work-in-process inventories	\$1,000.. 44 097
Materials and supplies inventories	\$1,000.. 121 835
Total inventories, end of year	\$1,000.. 221 997
Finished goods inventories	\$1,000.. 77 272
Work-in-process inventories	\$1,000.. 45 040
Materials and supplies inventories	\$1,000.. 99 685
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '616 504
Total capital expenditures (new and used)	\$1,000.. '71 442
Buildings and other structures (new and used)	\$1,000.. '20 642
Machinery and equipment (new and used)	\$1,000.. '50 800
Automobiles, trucks, etc., for highway use	\$1,000.. '1 469
Computers and peripheral data processing equipment	\$1,000.. '6 514
All other expenditures for machinery and equipment	\$1,000.. '42 817
Total retirements	\$1,000.. '35 478
Gross value of depreciable assets at end of year	\$1,000.. '652 468
Depreciation charges during year	\$1,000.. '39 610
Total rental payments	\$1,000.. 22 553
Buildings and other structures	\$1,000.. 7 146
Machinery and equipment	\$1,000.. 15 407
Total other expenses ⁴	\$1,000.. 66 492
Response coverage ratio ⁵	percent.. 86
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 7 127
Communications services ⁴	\$1,000.. 5 371
Legal services ⁴	\$1,000.. 2 332
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 521
Advertising and promotional services ⁴	\$1,000.. 3 797
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 3 699
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 670
Management consulting and administrative services ⁴	\$1,000.. 1 024
Taxes and license fees ⁴	\$1,000.. 4 089
All other expenses ⁴	\$1,000.. 35 857

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
333311, Automatic vending machine manufacturing											
All establishments	1	108	8 361	301 931	5 287	11 185	134 165	723 676	875 922	1 598 304	'71 442
Establishments with—											
1 to 4 employees	9	35	70	2 100	50	99	1 221	4 309	4 828	9 135	'221
5 to 9 employees	9	13	92	3 348	65	146	1 982	7 156	7 313	14 469	'373
10 to 19 employees	3	17	219	7 041	157	493	4 075	16 880	14 375	31 249	'1 388
20 to 49 employees	—	13	438	13 352	328	746	7 059	29 617	27 703	58 052	'780
50 to 99 employees	—	12	868	33 518	484	1 123	11 801	111 419	104 566	214 022	'7 123
100 to 249 employees	—	8	1 218	35 833	731	1 607	14 926	108 728	214 578	325 962	'19 665
250 to 499 employees	1	6	2 216	86 357	1 389	2 651	35 576	153 266	200 010	350 351	'21 273
500 to 999 employees	4	3	9	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	1	9	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	50	221	7 445	159	325	4 393	15 600	17 666	33 264	'806

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
333311	Automatic vending machine manufacturing	108	8 361	301 931	5 287	11 185	134 165	723 676	875 922	1 598 304	71 442
3333111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	36	5 702	182 120	3 968	8 349	100 600	468 454	507 495	973 111	45 248
3333113	Automatic merchandising machines, coin-operated mechanisms, including time switches	7	689	39 849	384	925	9 772	72 353	83 835	162 452	D
3333114	Currency handling machines, including money changing and dispensing machines	10	1 690	71 177	735	1 484	18 668	163 944	264 624	423 891	D

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333311	Automatic vending machine manufacturing	2002.. N	X	X	1 300 006
	1997.. N		X	X	1 245 138
3333111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	2002.. N	X	X	823 580
	1997.. N		X	X	924 347
33331111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	2002.. N	X	X	823 580
	1997.. N		X	X	924 347
3333111100	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	2002.. 44	X	X	823 580
	1997.. 41		X	X	924 347
3333113	Automatic merchandising machines, coin-operated mechanisms, including time switches	2002.. N	X	X	124 666
	1997.. N		X	X	N
33331131	Coin-operated mechanisms for automatic merchandising machines (including parts)	2002.. N	X	X	38 881
	1997.. N		X	X	N
3333113157	Coin-operated mechanisms (time switches) and other coin-operated mechanisms	2002.. 9	X	X	38 881
	1997.. N		X	X	N
33331132	Parts for automatic merchandising machines, money changing and dispensing machines	2002.. N	X	X	85 785
	1997.. N		X	X	N
3333113269	Parts for automatic merchandising machines, except coin-operated mechanisms	2002.. 15	X	X	65 190
	1997.. N		X	X	N
3333113271	Parts for money changing and dispensing machines	2002.. 4	X	X	20 595
	1997.. N		X	X	N
3333113Y	Automatic merchandising machines, coin-operated mechanisms, including time switches, nsk	2002.. N	X	X	—
	1997.. N		X	X	N
3333113YVV	Automatic merchandising machines, coin-operated mechanisms, including time switches, nsk	2002.. N	X	X	—
	1997.. N		X	X	N
3333114	Currency handling machines, including money changing and dispensing machines	2002.. N	X	X	317 889
	1997.. N		X	X	N
33331141	Currency handling machines, including money changing and dispensing machines	2002.. N	X	X	317 889
	1997.. N		X	X	N
3333114101	Machines for sorting, wrapping, counting, and other currency handling machines	2002.. 3	X	X	D
	1997.. N		X	X	N
3333114105	Money changing and dispensing machines	2002.. 10	X	X	D
	1997.. N		X	X	N
3333114Y	Currency handling machines, including money changing and dispensing machines, nsk	2002.. N	X	X	—
	1997.. N		X	X	N
3333114YVV	Currency handling machines, including money changing and dispensing machines, nsk	2002.. N	X	X	—
	1997.. N		X	X	N
333311W	Automatic vending machine manufacturing, nsk, total	2002.. N	X	X	33 871
	1997.. N		X	X	47 290
333311WY	Automatic vending machine manufacturing, nsk, total	2002.. N	X	X	33 871
	1997.. N		X	X	47 290
333311WYWW	Automatic vending machine manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	1 955
	1997.. N		X	X	1 087
333311WYWY	Automatic vending machine manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	31 916
	1997.. N		X	X	46 203

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3333111	Automatic merchandising machines, coin-operated (vending) (excluding money changing machines and coin-operated mechanisms)	
	United States..... 2002..	823 580
	..... 1997..	924 347
	Illinois 2002..	20 788
	..... 1997..	9 653
3333113	Automatic merchandising machines, coin-operated mechanisms, including time switches	
	United States..... 2002..	124 666
	..... 1997..	N
3333114	Currency handling machines, including money changing and dispensing machines	
	United States..... 2002..	317 889
	..... 1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333311	Automatic vending machine manufacturing		
00900001	Total materials .....2002..	X	764 384
	.....1997..	X	673 208
33531225	Fractional horsepower electric motors and generators (less than 1 hp) .....2002..	X	36 286
	.....1997..	X	48 969
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment .....2002..	X	31 897
	.....1997..	X	36 708
33593101	Current-carrying wiring devices .....2002..	X	59 348
	.....1997..	X	82 655
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	7 351
	.....1997..	X	17 889
332000AC	Metal stampings .....2002..	X	10 151
	.....1997..	X	17 168
33200071	Other fabricated metal products (excluding electrical enclosures, forgings, metal stamping, bolts, nuts, screws, washers, rivets, and other screw machine products) .....2002..	X	39 974
	.....1997..	X	30 046
33210000	Forgings .....2002..	X	D
	.....1997..	X	N
33100035	Castings, rough and semifinished .....2002..	X	6 212
	.....1997..	X	6 307
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	59 091
	.....1997..	X	65 405
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	4 327
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	37 649
	.....1997..	X	51 293
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	4 533
	.....1997..	X	N
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	5 387
	.....1997..	X	7 829
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	377 662
	.....1997..	X	265 216
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	82 667
	.....1997..	X	39 396

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.